Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

AIR QUALITY PERMIT

Permittee Name: **J.L. French Corporation**
Mailing Address: **20 Prestwick Drive, Glasgow, KY 42141**

is authorized to construct/operate a secondary aluminum production facility with aluminum die casting operations

Source Name: **J.L. French Corporation**
Mailing Address: **Same as above**
Source Location: **Same as mailing address**

Permit Type: **Federally-Enforceable**
Review Type: **Title V**

Permit Number: **V-00-038**
Log Number: **53149 (G390)**
Application Complete Date: **September 30, 2000**

AFS Plant ID #: **21-009-00065**
SIC Code: **3363**

Region: **Bowling Green**
County: **Barren**

Issuance Date: **December 19, 2000**
Expiration Date: **December 19, 2005**

John E. Hornback, Director
Division for Air Quality

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application which was determined to be complete on September 30, 2000, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in the Regulation 401 KAR 50:035, Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (P01) Thermal Chip Dryer

Description:

Natural gas fired rotary drum chip dryer processing both oily and oil-free scrap, with a capacity to process 8 tons/hr of oil-free aluminum scrap and 5 tons/hr of oily aluminum scrap. The dryer is equipped with a 13.0 MMBTU/hr natural gas burner. The exhaust from the chip dryer is directly routed to the lime injected baghouse.

Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:

40 CFR part 63, Subpart RRR-National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production.

1. Operating Limitations:

J.L. French shall process only unpainted/uncoated aluminum chips in the thermal chip dryer.

2. Emission Limitations:

J.L. French shall not discharge to the atmosphere any emissions in excess of:

(1) 0.80 lb of THC, as propane, per ton of feed from the chip dryer; [40 CFR 63.1505(c)(1)]

(2) 3.5×10^{-5} gr of D/F TEQ per ton of feed from the chip dryer.[40 CFR 63.1505(c)(2)]

3. Testing Requirements:

J.L. French shall conduct a performance test to measure the THC and D/F emissions at the outlet of the control device while the unit processes only unpainted/uncoated aluminum chips. [40 CFR 63.1512(b)]

4. Specific Monitoring Requirements:

J.L. French Corporation shall monitor the following [401 KAR 50:035, Section 7(1)(c)2]:

Labeling;

Emission capture and collection system by inspection;

Charge/feed weight;

Bag leak detector;

Lime injection rate and schedule.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

J.L. French shall maintain records of:
Once per month, the labels shall be inspected to confirm that labels are intact and legible;
Annual inspection of emission capture and collection system;
Charge/feed weight for the same operating cycle or time period used in the performance test;
Bag leak detector must be equipped with a device to continuously record the output signal from the sensor;
Lime injection rate and schedule once every 8-hour period.

6. Specific Reporting Requirements:

Each report shall include the following certification for the chip dryer: [40 CFR 63.1516(b)(2)(i)]
"Only unpainted/uncoated aluminum chips were used as feedstock in any chip dryer during this reporting period."

7. Specific Control Equipment Operating Conditions:

Maintain free flowing lime in the feed hopper or silo by inspection every eight (8) hours with documentation. Maintain the same or higher lime injection rate used during the compliance stack test.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02 (IF01-02) Two Induction Furnaces

Description:

Two (2) induction furnaces used to melt solid aluminum billets and varieties of scrap chips processed by the dryer with a maximum throughput of 6 tons/hr total. The emissions from the furnaces shall be ducted to the lime injected baghouse and vented to the atmosphere. The induction furnaces are classified as Group 2, therefore, the furnaces shall process only dried, clean scrap or non-lacquered scrap that has been dried at a minimum temperature of 650°F. Fluxing is not conducted unless a non-HAP generating gas is used. Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:

40 CFR part 63, Subpart RRR-National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production.

1. Operating Limitations:

J.L. French shall operate the Group 2 electric induction furnace using only clean charge as the feedstock. [40 CFR 63.1506(o)(1)]

J.L. French shall operate the Group 2 electric induction furnace using no reactive flux. [40 CFR 63.1506(o)(2)]

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

J.L. French Corporation shall record the description of all materials charged to each furnace, including any nonreactive, nonHAP-containing/nonHAP-generating fluxing materials or agents. [40 CFR 63.1510(r)(1)]

J.L. French shall submit a certification of compliance with the applicable operational standard for charged materials in 40 CFR 63.1506(o) for each 6-month reporting period. Each certification shall contain the information in 40 CFR 63.1516(b)(2)(v). [40 CFR 63.1510(r)(2)]

5. Specific Recordkeeping Requirements:

Retain records of the following [401 KAR 50:035, Section 7(1)(d)2]:
All charge materials and fluxing materials or agents for a group 2 furnace. [40 CFR 1517(b)(12)]

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Each summary report shall include the following certification: [40 CFR 63.1516(b)(2)(v)]
"Only clean charge materials were processed in any group 2 furnace during this reporting period and no fluxing was performed or all fluxing performed was conducted using only nonreactive, nonHAP-containing/nonHAP generating fluxing gases or agents, except for cover fluxes, during this reporting period."

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

03 (RMF01-03) Three Melt Furnaces

Description:

Three natural gas fired melt furnaces with a capacity to process 5 tons/hr, each, of aluminum feed and a 20.0 MMBTU/hr, each, maximum burner capacity. Chlorine gas fluxing is performed continuously to remove impurities. The melt furnaces are classified as Group 1 furnaces. Emissions from the furnaces shall be ducted to the lime injected baghouse and then to the atmosphere via the stack..
Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:

40 CFR part 63, Subpart RRR-National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production

1. Operating Limitations:

J.L. French shall initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the operation, maintenance, and monitoring plan. [40 CFR 63.1506(m)(1)(i)]

J.L. French shall complete the corrective action procedures in accordance with the OM&M plan. [40 CFR 63.1506(m)(1)(ii)]

J.L. French shall operate each fabric filter system such that the bag leak detection system does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of one hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action. [40 CFR 1506(m)(1)(iii)]

J.L. French shall maintain the 3-hour block average inlet temperature for each fabric filter at or below the average temperature established during the performance test, plus 14^{o}C (25^{o}F); [40 CFR 63.1506 (m)(3)]

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

1. Operating Limitations:(continued)

J.L. French shall maintain free-flowing lime in the hopper to the feed device at all times and maintain the lime feeder setting at the same level established during the performance test. [40 CFR 63.1506 (m)(4)]

J.L. French shall maintain the total reactive chlorine flux injection rate for each operating cycle or time period used in the performance test at or below the average rate established during the performance test. [40 CFR 63.1506(m)(5)]

J.L. French shall operate each side-well furnace such that: [40 CFR 63.1506(m)(6)]

(a) the level of molten metal remains above the top of the passage between the side-well and hearth during reactive fluxing

(b) the reactive flux is added only in the sidewell unless the hearth is also equipped with a control device for PM, HCl, and D/F emissions.

2. Emission Limitations:

J.L. French Corporation shall not discharge to the atmosphere or cause to be discharged to the atmosphere any emissions in excess of:

(a) 0.80 lb of PM per ton of feed from the group 1 furnace at the secondary aluminum facility which is a major source;

(b) 2.1×10^{-4} gr of D/F TEQ per ton of feed from the group 1 furnace;

(c) 0.40 lb of HCl per ton of feed or, reduce uncontrolled HCl emissions by at least 90 percent, by weight.

3. Testing Requirements:

J.L. French shall conduct performance tests to measure emissions of PM and D/F at the outlet of the control device, and emissions of HCl at the outlet (for the emission limit) or the inlet and the outlet (for percent reduction standard).

4. Specific Monitoring Requirements:

J.L. French Corporation shall monitor the following [401 KAR 50:035, Section 7(1)(c)2]:
Labeling;
Emission capture and collection system by inspection;
Charge/feed weight;
Chlorine injection rate;
Feed material;
Bag leak detector;
Lime injection rate and schedule;
Fabric filter inlet temperature.

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

J.L. French shall maintain records of:
Once per month, the labels shall be inspected to confirm that labels are intact and legible;
Annual inspection of emission capture and collection system;
Charge/feed weight for the same operating cycle or time period used in the performance test;
Bag leak detector must be equipped with a device to continuously record the output signal from the sensor;

Lime injection rate and schedule once every 8-hour period;
Chlorine injection rate, by weight, for each 15-minute block period, during which reactive fluxing occurs, over the same operating cycle or time period used in the performance test;
Fabric filter inlet temperature in 15-minute block averages and calculate and record the average temperature for each 3-hour block period.

6. Specific Reporting Requirements:

Each report shall include the following certification:
"The group 1 furnace was operated such that the level of molten metal remained above the top of the passage between the side well and hearth during reactive fluxing and reactive flux was added only to the sidewell or to a furnace hearth equipped with an add-on air pollution control device for PM, HCl, and D/F emissions during this reporting period."

7. Specific Control Equipment Operating Conditions:

Maintain free flowing lime in the feed hopper or silo by inspection every eight (8) hours with documentation. Maintain the same or higher lime injection rate used during the compliance stack test.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 (D01) Dross Cooler

Description:
Rotary dross cooler shall be used to reduce the temperature of the dross after skimming from the melt/hold furnaces at a maximum throughput rate of 3 tons/hr. The exhaust from the rotary dross cooler shall be ducted to the to the lime injected baghouse.
Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:

40 CFR part 63, Subpart RRR-National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production.

1. Operating Limitations:

J.L. French shall initiate corrective action within 1-hour of a bag leak detection system alarm and complete the corrective action procedures in accordance with the operation, maintenance, and monitoring plan.

J.L. French shall operate each fabric filter system such that the bag leak detection system does not sound more than 5 percent of the operating time during a 6-month block reporting period. In calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted. If corrective action is required, each alarm shall be counted as a minimum of one hour. If the owner or operator takes longer than 1 hour to initiate corrective action, the alarm time shall be counted as the actual amount of time taken by the owner or operator to initiate corrective action.

2. Emission Limitations:

J.L. French shall not discharge or cause to be discharged from the rotary dross cooler to the atmosphere any particulate emissions in excess of 0.04 gr per dscf.

3. Testing Requirements:

J.L. French shall conduct a performance test to measure particulate emissions at the outlet of the control device.

4. Specific Monitoring Requirements:

J.L. French shall monitor the following as rolling 12-month totals [401 KAR 50:035, Section 7(1)(c)2]:

Aluminum dross throughput to the dross cooler;
Bag leak detector;
Hours of operation.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

Retain records of the following [401 KAR 50:035, Section 7(1)(d)2]:
Aluminum dross throughput in the dross cooler;
Bag leak detector;
Hours of operation.

6. Specific Reporting Requirements:

Any exceedance of the particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 (HF01-08)

Description:
Eight (8) electric holding furnaces processing 1500 lb/hr/each molten aluminum, 1 lb/hr/each of flux. Maximum throughput of aluminum is 6,750 tons per year 8760 pounds of flux per year. The holding furnaces are continuously operated, 24 hours a day, 7 days a week, 52 weeks per year. The furnaces are custom built.
Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:

40 CFR part 63, Subpart RRR-National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production.

1. Operating Limitations:

J.L. French shall operate each Group 2 electric holding furnace using only clean charge as the feedstock. [40 CFR 63.1506(o)(1)]

J.L. French shall operate each Group 2 electric holding furnace using no reactive flux. [40 CFR 63.1506(o)(2)]

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

J.L. French Corporation shall record the description of all materials charged to each furnace, including any nonreactive, nonHAP-containing/nonHAP-generating fluxing materials or agents. [40 CFR 63.1510(r)(1)]

J.L. French shall submit a certification of compliance with the applicable operational standard for charged materials in 40 CFR 63.1506(o) for each 6-month reporting period. Each certification shall contain the information in 40 CFR 63.1516(b)(2)(v). [40 CFR 63.1510(r)(2)]

5. Specific Recordkeeping Requirements:

Retain records of the following [401 KAR 50:035, Section 7(1)(d)2]:
All charge materials and fluxing materials or agents for a group 2 furnace. [40 CFR 1517(b)(12)]

SECTION B - EMISSION POINTS, AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Each summary report shall include the following certification: [40 CFR 63.1516(b)(2)(v)]
"Only clean charge materials were processed in any group 2 furnace during this reporting period and no fluxing was performed or all fluxing performed was conducted using only nonreactive, nonHAP-containing/nonHAP generating fluxing gases or agents, except for cover fluxes, during this reporting period."

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

06 (DC01-02)

Description:
Two (2) 800 ton die casters processing 1500 lb/hr/each of molten aluminum and 2 gallons per hour of lube. The die casters are batch operations with an operating schedule of 24 hours per day, 7 days per week, and 52 weeks per year. The die casters are custom designed.
Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the die casters shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the die casters x KEIS emission factor / Hours of operation].

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during die casting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the die casters, and weekly die lube use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the die casters.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

07 (DC 03-08)

Description:
Six (6) 1200 ton diecasters processing 2500 pounds per hour, each, of molten aluminum and 2 gallons of lube per hour. The die casters are batch operations with an operating schedule of 24 hours per day, 7 days a week, and 52 weeks per year. The die casters are custom designed.
Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the die casters shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)].

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the die casters x KEIS emission factor / Hours of operation]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during die casting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the die casters, and weekly die lube use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the die casters.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

08 (05-15)

Description:
Eleven holding furnaces (11) processing 2500 pounds per hour per unit of molten aluminum and 1 pound per hour of flux per unit. Each furnace is electric and the furnaces are continuously operated with a schedule of 24 hours per day, 7 days a week, and 52 weeks per year.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the holding furnaces shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the furnaces x KEIS emission factor / Hours of operation the furnaces]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during furnace operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the holding furnace, and weekly flux use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the holding furnace.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(09) (16-17)

Description:
Two holding furnaces (2) processing 2500 pounds per hour of molten aluminum per unit and 1 pound per hour of flux per unit. The furnaces are electric and continuously operated 24 hours a day, 7 days a week, and 52 weeks per year.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the holding furnaces shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the furnaces x KEIS emission factor / Hours of operation the furnaces]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during furnace operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the holding furnace, and weekly flux use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the holding furnace.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(10) (18)

Description:
One holding furnace (1) processing 2500 pounds per hour of molten aluminum and 1 pound per hour of flux. The furnace is electric and continuously operated 24 hours a day, 7 days a week, and 52 weeks per year.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the holding furnace shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)].

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the furnace x KEIS emission factor / Hours of operation the furnaces].

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during furnace operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the holding furnace, and weekly flux use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the holding furnace.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(11) (19)

Description:
One 800 ton die caster processing 1500 pounds per hour and a die lube usage rate of 2 gallons per hour. The die caster is batch operated 24 hours a day, 7 days a week, 52 weeks per year. The die caster was manufactured by Prince Machine Corporation.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the die caster shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)].

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the die caster x KEIS emission factor / Hours of operation].

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during die casting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the die caster, and weekly die lube use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the die caster.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(12) (20-28)

Description:
Nine (9) 1600 ton die casters processing 2500 pounds per hour and die lube usage rate of 2 gallons per hour. The die casters are batch operated 24 hours per day, 7 days a week, and 52 weeks per year.
The die casters were manufactured by Prince Machine Corporation.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the die casters shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the die casters x KEIS emission factor / Hours of operation].

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during die casting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the die casters, and weekly die lube use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the die casters.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(13) (29-32)

Description:
Four (4) 2000 ton die casters processing 2500 pounds per hour and a die lube usage rate of 2 gallons per hour. The die casters are batch operated 24 hours per day, 7 days per week, and 52 weeks per year. The die casters were manufactured by Prince Machine.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the die casters shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)].

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the die casters x KEIS emission factor / Hours of operation]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during die casting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the die casters, and weekly die lube use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the die casters.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(14) (34-35)

Description:
Two BCP Rotoblasters processing 5760 square feet/hr, using 57.5 lb/hr of steel shot.
The rotoblasters are batch operated 24 hours a day, 7 days a week, and 52 weeks per year.
Construction commenced: 1994.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the shot blasters shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)].

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the shot blasters x KEIS emission factor / Hours of operation]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during shot blasting as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the shot blasters, and shot use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the holding furnace.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(15) (36)

Description:
One (1) BCP Rotoblaster processing 5760 square feet per hour and using 57.5 pounds per hour of steel shot. The rotoblaster is batch operated 24 hours per day, 7 days per week, and 52 weeks per year.
Construction commenced: 1998.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:
a. The visible emissions from the shot blaster shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]
b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:
a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.
b. Particulate emission rate in lbs/hr = [Monthly production rate of the shot blaster x KEIS emission factor / Hours of operation the shot blaster].

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during shot blasting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of the shot blaster, and weekly shot use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the shot blaster.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(16) (37)

Description:
One (1) BCP Rotoblaster processing 5760 square feetper hour and using 57.5 pounds per hour of steel shot. The rotoblaster is batch operated 24 hours per day, 7 days per week, and 52 weeks per year. Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
None

2. Emission Limitations:

a. The visible emissions from the shot blasters shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]

b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:

a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.

b. Particulate emission rate in lbs/hr = [Monthly production rate of the furnace x KEIS emission factor / Hours of operation the furnace]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during shot blasting operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the monthly production, hours of operation of shot blasters, and weekly shot use. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the holding furnace.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

17 (GEN 01)

Description:
Backup generator using diesel as a fuel source, with a maximum fuel usage rate of 75 gallons per hour. The generator is a Caterpiller model #3508 and will serve as a backup energy source for the induction furnaces in case of power failure.
Construction commenced: July 31, 2000.

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations.

1. Operating Limitations:
The generator shall not operate more than 720 hours per rolling 12 month period.

2. Emission Limitations:
a. The visible emissions from the generator shall not equal or exceed 20% opacity. [401 KAR 59:010, Section 3 (1) (a)]
b. Particulate emissions shall not exceed the limitations calculated from the equation found in 401 KAR 59:010, Appendix A: $E=3.59*P^{0.62}$, where E is the rate of emission in lb / hr and P is the process weight in tons / hr.

Compliance Demonstration Method:
a. The opacity shall be determined by Reference Method 9 of Appendix A to 40 CFR 60, filed by reference in 401 KAR 59:010.
b. Particulate emission rate in lbs/hr = [Monthly fuel rate of the generator x KEIS emission factor / Hours of operation the generator]

3. Testing Requirements:
None

4. Specific Monitoring Requirements:
Opacity readings shall be performed by a certified visible emissions observer at least once per month during generator operations as per Method 9. If a certified visible emissions observer is not available, qualitative observations of the visible emissions shall be made, and the existence of any visible emissions shall be considered to be over 20%.

5. Specific Recordkeeping Requirements:
Records shall be maintained of the hours of operation of the generator. Records shall be maintained of the Method 9 opacity readings or the qualitative reading of visible emissions from the generator.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

Any exceedance of the opacity or particulate emission limits as stated in this permit shall be reported to the Division as promptly as possible per Section F (6). Following an exceedance, the company shall continue to submit, for a period of at least 12 months, the monthly visible emission readings, the monthly production rates, and the hours of operation within 30 days of the end of each calendar month.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:035, Section 5(4). While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	Description	Generally Applicable Regulation
1.	Convenience water heating	N/A
2.	Convenience space heating	N/A
3.	Natural gas burners for HVAC system	N/A
4.	Internal combustion engines	N/A
5.	Fire Control Equipment	N/A
6.	Janitorial Activities	N/A
7.	Office Activities	N/A
8.	Sanitary Sewer	N/A
9.	Crusher/Chipper	401 KAR 59:010
10.	Haul Roads and Yard	401 KAR 63:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. Hydrogen chloride (HCl), particulate matter (PM), and D/F emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.

2. Compliance with annual emissions and processing limitations imposed pursuant to 401 KAR 50:035, Section 7(1)(a), and contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements.
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement;

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 50:035, Permits, Section 7(1)(d)2 and 401 KAR 50:035, Permits, Section 7(2)(c)]

3. In accordance with the requirements of Regulation 401 KAR 50:035, Permits, Section 7(2)(c) the permittee shall allow the Cabinet or authorized representatives to perform the following:
   a. Enter upon the premises where a source is located or emissions-related activity is conducted, or where records are kept;
   b. Have access to and copy, at reasonable times, any records required by the permit:
      i. During normal office hours, and
      ii. During periods of emergency when prompt access to records is essential to proper assessment by the Cabinet;
   c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times shall include, but are not limited to the following:
      i. During all hours of operation at the source,
      ii. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
      iii. During an emergency; and
   d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements. Reasonable times shall include, but are not limited to the following:
      i. During all hours of operation at the source,
      ii. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
      iii. During an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the division's Bowling Green Regional Office at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

   The reports are due within 30 days after the end of each six-month reporting period that commences on the initial issuance date of this permit. The permittee may shift to semi-annual reporting on a calendar year basis upon approval of the regional office. If calendar year reporting is approved, the semi-annual reports are due January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to Section 6(1) of 401 KAR 50:035, Permits. All deviations from permit requirements shall be clearly identified in the reports.

6. a. In accordance with the provisions of Regulation 401 KAR 50:055, Section 1 the owner or operator shall notify the Division for Air Quality's Bowling Green Regional Office concerning startups, shutdowns, or malfunctions as follows:
      1. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
      2. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.

   b. In accordance with the provisions of Regulation 401 KAR 50:035, Section 7(1)(e)2, the owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by general condition 6 a. above) to the Division for Air Quality's Bowling Green Regional Office within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by general condition F.5.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

7. Pursuant to Regulation 401 KAR 50:035, Permits, Section 7(2)(b), the permittee shall certify compliance with the terms and conditions contained in this permit, annually on the permit issuance anniversary date or by January 30th of each year if calendar year reporting is approved by the regional office, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Division for Air Quality's Bowling Green Regional Office and the U.S. EPA in accordance with the following requirements:
   a. Identification of each term or condition of the permit that is the basis of the certification;
   b. The compliance status regarding each term or condition of the permit;
   c. Whether compliance was continuous or intermittent; and
   d. The method used for determining the compliance status for the source, currently and over the reporting period, pursuant to 401 KAR 50:035, Section 7(1)(c), (d), and (e).
   e. The certification shall be postmarked by the thirtieth (30) day following the applicable permit issuance anniversary date, or by January 30th of each year if calendar year reporting is approved by the regional office. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Bowling Green Regional Office
1508 Westen Avenue
Bowling Green, KY 42104

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth Sreet.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

8. In accordance with Regulation 401 KAR 50:035, Section 23, the permittee shall provide the division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission report is mailed to the permittee.

9. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced by Regulation 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL CONDITIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be (a) violation(s) of state regulation 401 KAR 50:035, Permits, Section 7(3)(d) and for federally enforceable permits is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.

2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition.

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause. The permit will be reopened for cause and revised accordingly under the following circumstances:
   a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to Regulation 401 KAR 50:035, Section 12(2)(c);
   b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

   Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish to the division, in writing, information that the division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. [401 KAR 50:035, Permits, Section 7(2)(b)3e and 401 KAR 50:035, Permits, Section 7(3)(j)]

SECTION G - GENERAL CONDITIONS (CONTINUED)

5. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [401 KAR 50:035, Permits, Section 7(3)(k)]

6. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [401 KAR 50:035, Permits, Section 7(3)(e)]

7. Except as identified as state-origin requirements in this permit, all terms and conditions contained herein shall be enforceable by the United States Environmental Protection Agency and citizens of the United States.

8. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6). [401 KAR 50:035, Permits, Section 7(3)(h)]

9. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 50:035, Permits, Section 8(3)(b)]

10. This permit shall not convey property rights or exclusive privileges. [401 KAR 50:035, Permits, Section 7 (3)(g)]

11. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.

12. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR 50:035, Permits, Section 7(2)(b)5]

13. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR 50:035, Permits, Section 8(3)(a)]

14. Permit Shield: Except as provided in State Regulation 401 KAR 50:035, Permits, compliance by the affected facilities listed herein with the conditions of this permit shall be deemed to be compliance with all applicable requirements identified in this permit as of the date of issuance of this permit.

15. J.L. French Corporation is required to comply with the secondary aluminum NESHAP standard, 40 CFR part 63, Subpart RRR.

SECTION G - GENERAL CONDITIONS (CONTINUED)

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the division. [401 KAR 50:035, Permits, Section 12]

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of Regulation 401 KAR 50:035, Section 15.

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority thirty (30) days in advance of the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements
For emission points 01 (P01), 02 (IF01-02), 03 (RMF01-03), 04 (D01), 05 (HF01-08), 06 (DC01-02), 07(DC03-08).

1. Construction of process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

2. Within thirty (30) days following commencement of construction, and within fifteen (15) days following start-up, and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Division for Air Quality's Bowling Green Regional Office in writing, with a copy to the division's Frankfort Central Office, notification of the following:
   a. The date when construction commenced.
   b. The date of start-up of the affected facilities listed in this permit.
   c. The date when the maximum production rate specified in the permit application was achieved.

SECTION G - GENERAL CONDITIONS (CONTINUED)

3. Pursuant to State Regulation 401 KAR 50:035, Permits, Section 13(1), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or if construction is not completed within eighteen (18) months of the scheduled completion date, then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Extensions of the time periods specified herein may be granted by the division upon a satisfactory request showing that an extension is justified.

4. Operation of the affected facilities for which construction is authorized by this permit shall not commence until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055, except as provided in Section I of this permit.

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, for emission points 01 (P01), 03 (RMF01-03), and 04 (D01), within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration test on the affected facilities in accordance with Regulation 401 KAR 50:055, General compliance requirements. These performance tests must also be conducted in accordance with General Conditions G(d)6 of this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test. For emission points 02(IF01-02), 05 (HF01-08), 06 (DC01-02), and 07 (DC03-08), compliance shall be demonstrated to a duly authorized representative of the Division for Air Quality within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up.

6. For emission points 01 (P01), 03 (RMF01-03), and 04 (D01), pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by Regulation 401 KAR 50:016, Section 1.(1), at least one month prior to the date of the required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the division shall be notified of the actual test date at least ten (10) days prior to the test.

(e) Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:

SECTION G - GENERAL CONDITIONS (CONTINUED)

a. An emergency occurred and the permittee can identify the cause of the emergency;
b. The permitted facility was at the time being properly operated;
c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
d. The permittee notified the division as promptly as possible and submitted written notice of the emergency to the division within two working days after the time when emission limitations were exceeded due to the emergency. The notice shall meet the requirements of 401 KAR 50:035, Permits, Section 7(1)(e)2, and include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken. This requirement does not relieve the source of any other local, state or federal notification requirements.

2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement.

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 50:035, Permits, Section 9(3)]

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:
RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information by the division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.

SECTION G - GENERAL CONDITIONS (CONTINUED)

e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

SECTION H - ALTERNATE OPERATING SCENARIOS

Not Applicable

SECTION I - COMPLIANCE SCHEDULE

Not Applicable